

Fig.1

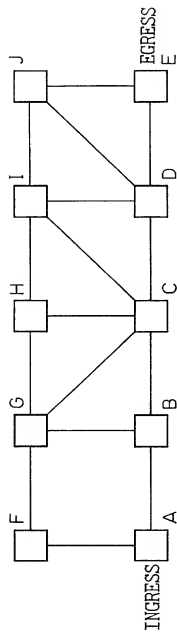


Fig.2

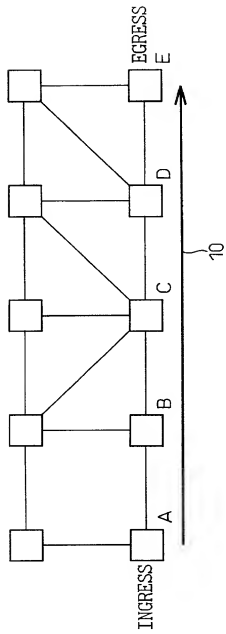


Fig.3

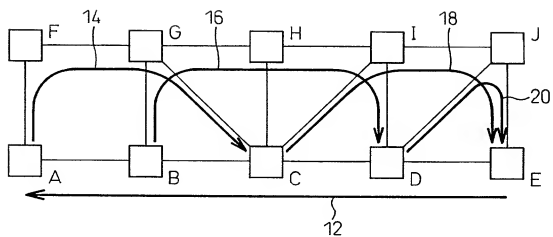


Fig.4

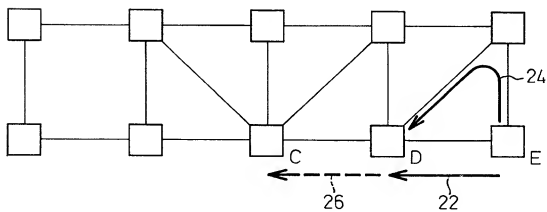


Fig. 5

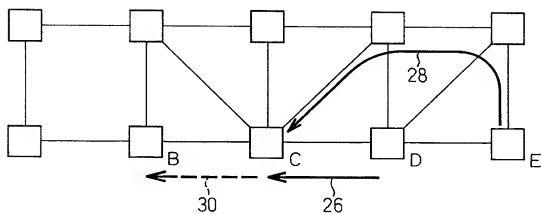


Fig. 6

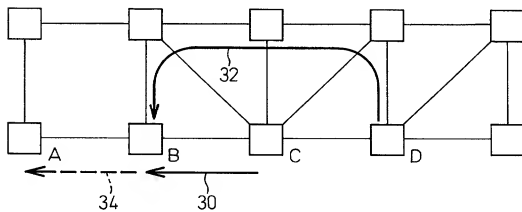


Fig.7

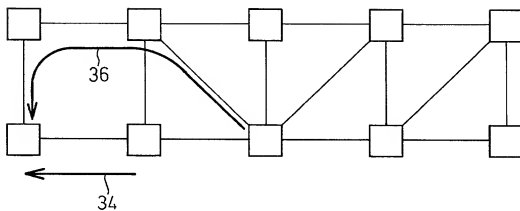


Fig.8

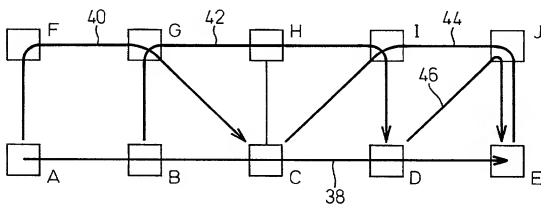


Fig. 9

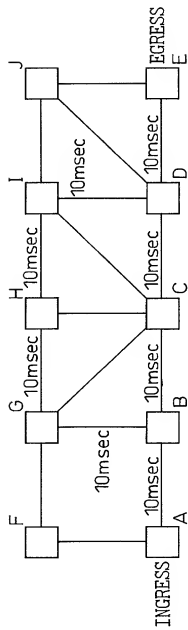


Fig.10

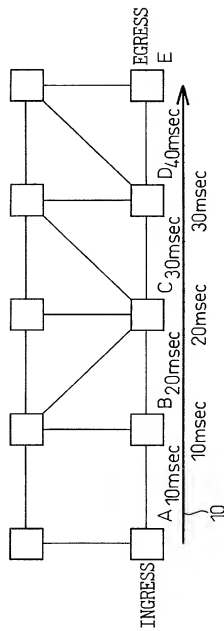


Fig.11

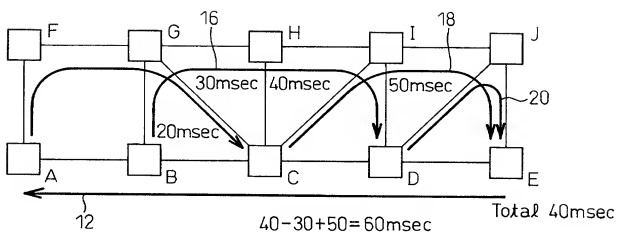




Fig.12

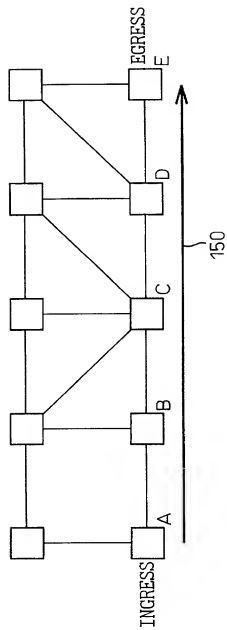


Fig.13

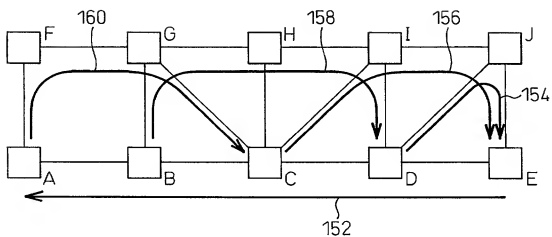


Fig.14

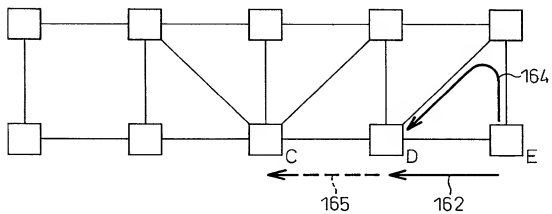


Fig.15

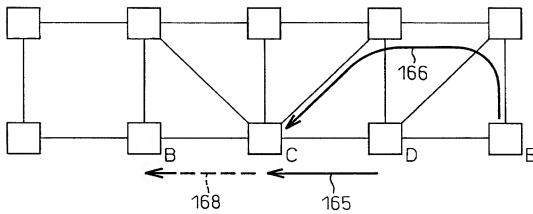


Fig.16

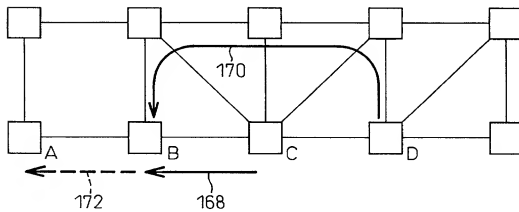


Fig.17

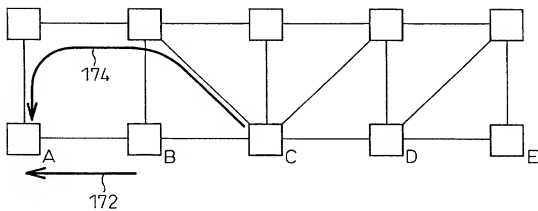


Fig.18

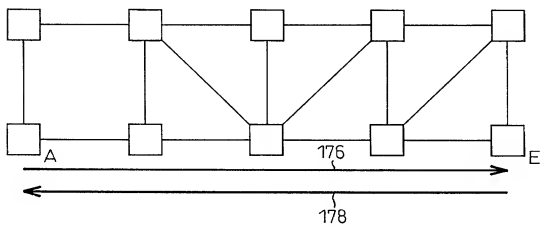


Fig.19

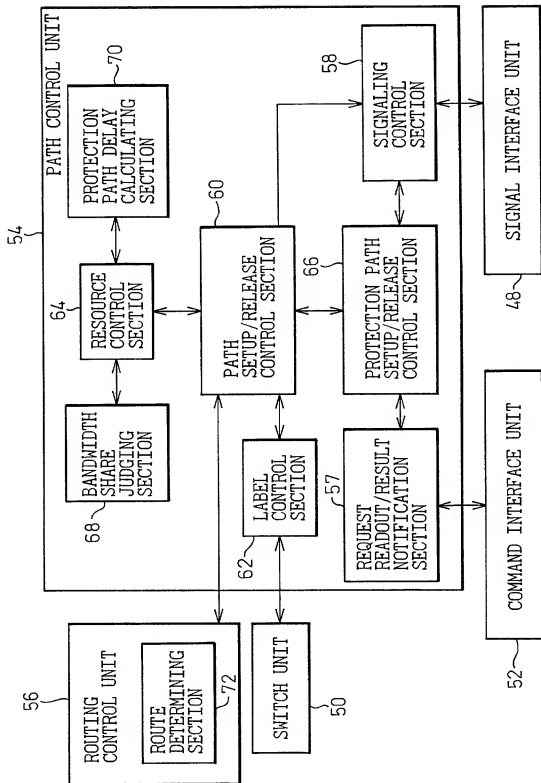


Fig. 20

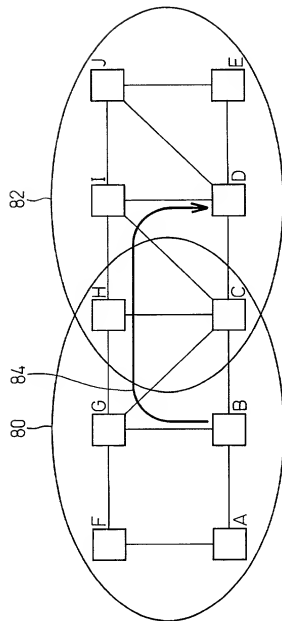


Fig.21

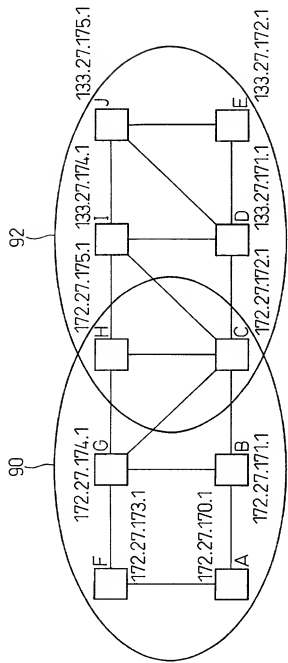


Fig.22

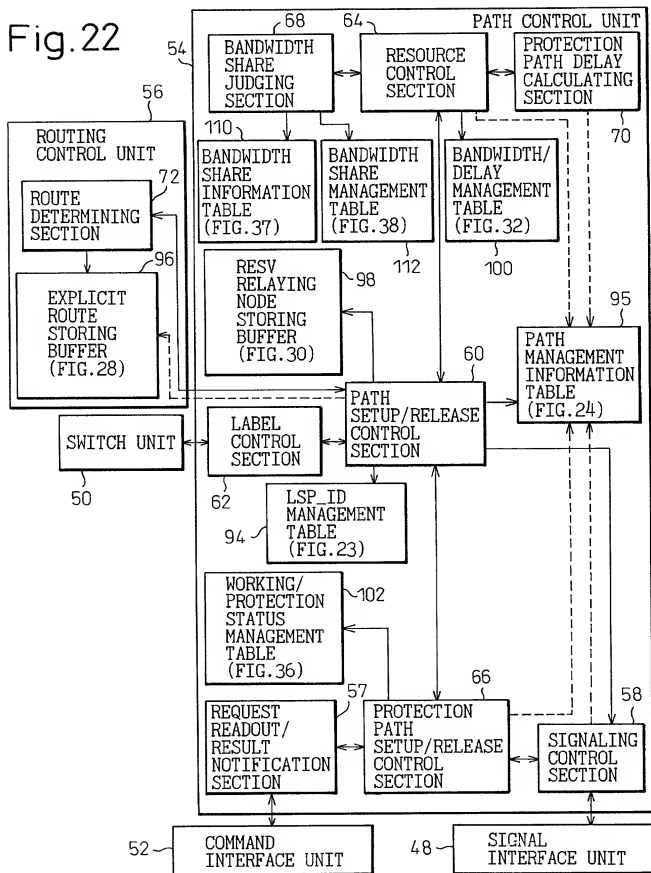
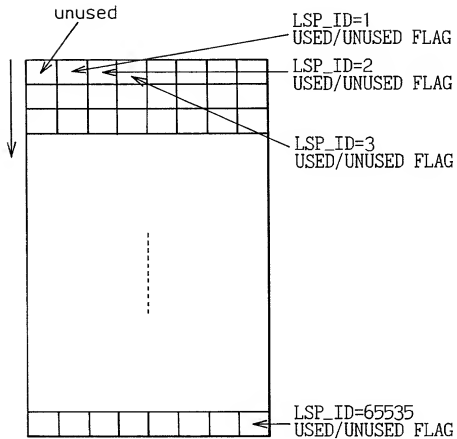




Fig.23



LSP\_ID MANAGEMENT TABLE

Fig.24

PATH ID

EGRESS OR PML NODE ID
REQUIRED BANDWIDTH [Mbit/s]
REQUIRED DELAY [ms]
DELAY FROM INGRESS [ms]
WORKING/PROTECTION IDENTIFICATION
PROTECTION NEEDED/NOT-NEEDED
PATH STATE
OUTPUT PORT NUMBER
INPUT PORT NUMBER
EXPLICIT ROUTE STORING BUFFER ADDRESS
END-TO-END DELAY
RESV RELAYING NODE STORING BUFFER ADDRESS
CORRESPONDING PATH ID

Fig.25

INFORMATION SETUP IN PATH MANAGEMENT INFORMATION TABLE (WORKING PATH AT INGRESS NODE)		
FIELD NAME	SET VALUE	REMARKS
EGRESS OR PML NODE ID	133.27.172.1	
REQUIRED BANDWIDTH [Mbit/s]	10	
REQUIRED DELAY [ms]	100	
DELAY FROM INGRESS [ms]	0	
WORKING/PROTECTION IDENTIFICATION	0: WORKING	SET UP DURING PATH MESSAGE PROCESSING
PROTECTION NEEDED/NOT-NEEDED	1: PROTECTION NEEDED	
PATH STATE		PATH STATE: 1: PATH BEING SET UP 2: PATH BEING RELEASED 3: COMMUNICATING
OUTPUT PORT NUMBER	3	
INPUT PORT NUMBER	0 (NONE)	
EXPLICIT ROUTE STORING BUFFER ADDRESS	MEMORY ADDRESS	
END-TO-END DELAY		SET UP DURING RESV MESSAGE PROCESSING
RESV RELAYING NODE STORING BUFFER ADDRESS		
CORRESPONDING PATH ID		

Fig.26

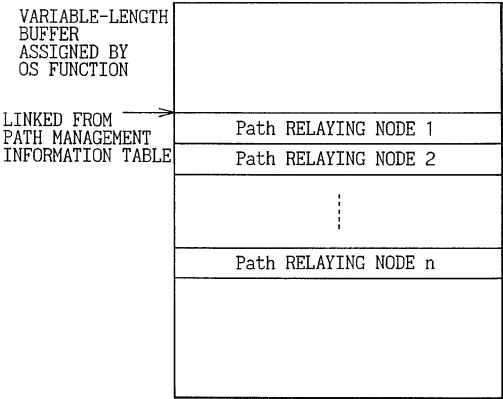
INFORMATION SETUP IN PATH MANAGEMENT INFORMATION TABLE (WORKING PATH AT NODE B)

FIELD NAME	SET VALUE	REMARKS
EGRESS OR PML NODE ID	133.27.172.1	
REQUIRED BANDWIDTH [Mbit/s]	10	
REQUIRED DELAY [ms]	100	
DELAY FROM INGRESS [ms]	10	
WORKING/PROTECTION IDENTIFICATION	0: WORKING	
PROTECTION NEEDED/NOT-NEEDED	1: PROTECTION NEEDED	
PATH STATE	PATH STATE: 1: PATH BEING SET UP 2: PATH BEING RELEASED 3: COMMUNICATING	SET UP DURING PATH MESSAGE PROCESSING
OUTPUT PORT NUMBER	1	
INPUT PORT NUMBER	2	
EXPLICIT ROUTE STORING BUFFER ADDRESS	MEMORY ADDRESS	
END-TO-END DELAY	40	
RESV RELAYING NODE STORING BUFFER ADDRESS	MEMORY ADDRESS	
CORRESPONDING PATH ID	NODE B (172.27.171)+ LSP_ID (2)	SET UP DURING RESV MESSAGE PROCESSING

Fig.27

INFORMATION SETUP IN PATH MANAGEMENT INFORMATION TABLE (PROTECTION PATH AT NODE B)		
FIELD NAME	SET VALUE	REMARKS
EGRESS OR PML NODE ID	133.27.171.1	
REQUIRED BANDWIDTH [Mbit/s]	10	
REQUIRED DELAY [ms]	100	
DELAY FROM INGRESS [ms]	10	
WORKING/PROTECTION IDENTIFICATION	1: PROTECTION	
PROTECTION NEEDED/NOT-NEEDED	0: PROTECTION NOT NEEDED	SET UP DURING PATH MESSAGE PROCESSING
PATH STATE	PATH STATE: 1: PATH BEING SET UP 2: PATH BEING RELEASED 3: COMMUNICATING	
OUTPUT PORT NUMBER	2	
INPUT PORT NUMBER	2	
EXPLICIT ROUTE STORING BUFFER ADDRESS	MEMORY ADDRESS	
END-TO-END DELAY	60	SET UP DURING RESV MESSAGE PROCESSING
RESV RELAYING NODE STORING BUFFER ADDRESS	MEMORY ADDRESS	
CORRESPONDING PATH ID	NODE A (172.27.170)+ LSP ID (1)	

Fig.28



EXPLICIT ROUTE STORING BUFFER 96

10039511.10901  
T060T1" T166C001

Fig.29

INFORMATION SETUP IN EXPLICIT ROUTE STORING BUFFER  
(WORKING PATH AT INGRESS NODE)

FIELD NAME	SET VALUE
Path RELAYING NODE 1	172.27.171.1 (NODE B)
Path RELAYING NODE 2	172.27.172.1 (NODE C)

Fig.30

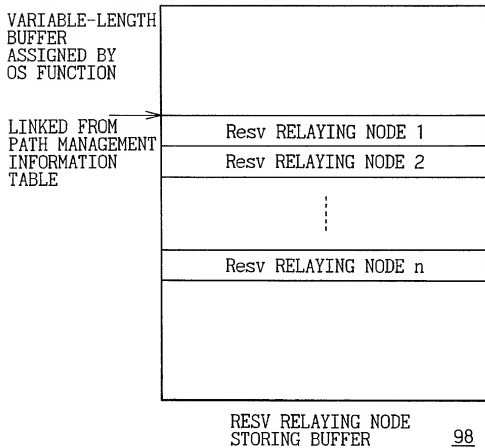




Fig.31

INFORMATION SETUP IN RESV RELAYING NODE STORING BUFFER  
(WORKING PATH AT NODE B)

FIELD NAME	SET VALUE
Resv RELAYING NODE 1	172.27.172.1 (NODE C)
Resv RELAYING NODE 2	133.27.171.1 (NODE D)
Resv RELAYING NODE 3	133.27.172.1 (NODE E)

Fig.32

INDEXED BY  
OUTPUT PORT  
NUMBER

PHYSICAL BANDWIDTH [Mbit/s]
BANDWIDTH IN USE [Mbit/s]
UNUSED BANDWIDTH [Mbit/s]
OUTPUT PORT PROPAGATION DELAY [ms]

BANDWIDTH/DELAY  
MANAGEMENT TABLE 100

10039611 110901  
T06011 T196001

Fig.33

INFORMATION SETUP IN BANDWIDTH/DELAY MANAGEMENT TABLE  
(OUTPUT PORT 3 OF INGRESS NODE)

FIELD NAME	SET VALUE
PHYSICAL BANDWIDTH [Mbit/s]	10240
BANDWIDTH IN USE [Mbit/s]	5000
UNUSED BANDWIDTH [Mbit/s]	5240
OUTPUT PORT PROPAGATION DELAY [ms]	10

Fig.34

INFORMATION SETUP IN BANDWIDTH/DELAY MANAGEMENT TABLE  
(OUTPUT PORT 1 OF NODE B)

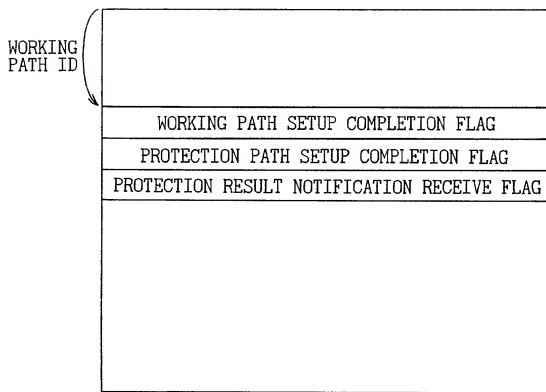
FIELD NAME	SET VALUE
PHYSICAL BANDWIDTH [Mbit/s]	10240
BANDWIDTH IN USE [Mbit/s]	1000
UNUSED BANDWIDTH [Mbit/s]	9240
OUTPUT PORT PROPAGATION DELAY [ms]	10

Fig.35

INFORMATION SETUP IN BANDWIDTH/DELAY MANAGEMENT TABLE  
(OUTPUT PORT 2 OF NODE B)

FIELD NAME	SET VALUE
PHYSICAL BANDWIDTH [Mbit/s]	10240
BANDWIDTH IN USE [Mbit/s]	2000
UNUSED BANDWIDTH [Mbit/s]	8240
OUTPUT PORT PROPAGATION DELAY [ms]	10

Fig.36



WORKING/PROTECTION STATUS  
MANAGEMENT TABLE

102

Fig.37

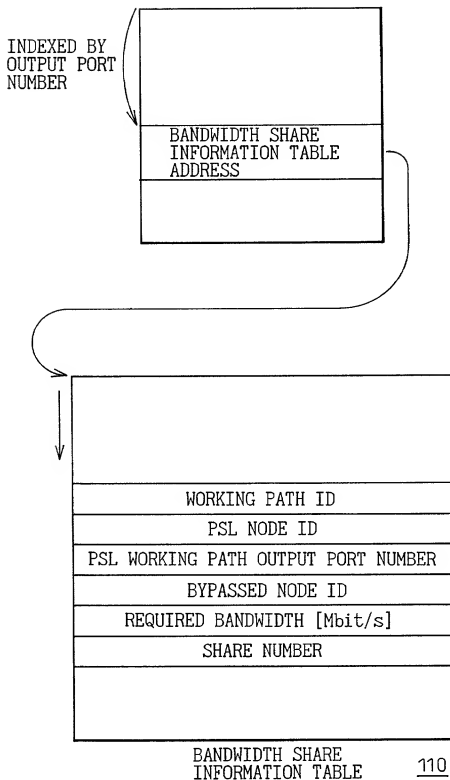


Fig.38

INDEXED BY SHARE NUMBER	
	SHAREABLE BANDWIDTH [Mbit/s]
	NUMBER OF SHARING PATHS

BANDWIDTH SHARE  
MANAGEMENT TABLE



Fig.39

